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## Hamza Furkan ATMACA

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### ABOUT MYSELF

I am software engineer in Turkey with a master's degree in computer engineering from Yildiz Technical University. Currently, I work at Mikrogrup as a Backend Software Engineer. I am personally and academically interested in Generative Artificial Intelligence and Large Language Models. My master's thesis focused on the more effective use of LLMs with AI agents in software development.

### WORK EXPERIENCE

#### **MARPOR** – ISTANBUL, Turkey

**City:** ISTANBUL | **Country:** Turkey

#### **Software Development Specialist**

[ 10/06/2019 – 14/07/2023 ]

Marpot is a port under Arkas Holding, located in Beylikdüzü. I worked as a Software Development Specialist in the Software Development Team. We developed internal applications for departments as well as public-facing applications for clients or business partners. My responsibilities included developing backend applications using .NET Core with MVC, task applications for periodic jobs using Windows Services, and mobile applications using React Native.

I contributed to impactful automation and integration projects for the port, developing software integrated with existing automation systems and services.

I developed mobile applications using React Native for customer users to manage all customer processes and for employees to access the Human Resources portal. I published these applications on the Play Store and the App Store. Apps continue to be used.

Additionally, I utilized Oracle as the primary database for these projects.

#### **Koton** – İstanbul, Turkey

**City:** İstanbul | **Country:** Turkey

#### **Senior Software Development Specialist**

[ 13/07/2023 – 21/05/2025 ]

Koton is an international retail company. I am a developer in the Main Backend Development Team and the DevOps Team Leader of a 15-person team. We develop internal applications for departments and public-facing applications for clients or business partners. My work involves developing backend software such as microservices using the latest version of .NET; task applications for periodic jobs using Hangfire; and frontend applications using React.

Our applications generally run on Kubernetes, while task applications are hosted on IIS. I use MSSQL as the primary database and MongoDB for NoSQL solutions. For CI/CD processes, I utilize DevOps tools, including Docker, Kubernetes, and Jenkins; Graylog for logging; Redis for caching; and Git for version control.

We maintain Development, Test, Pre-Production, and Production environments, with deployments managed through linked pipelines. As the DevOps Team Leader, my responsibilities include facilitating communication and

coordination between software and systems teams, approving or rejecting requests, conducting code reviews, providing technical support, motivating the team, and ensuring the stability and progress of processes.

Additionally, I am conducting research and development on the integration of artificial intelligence into our processes.

### **Mikrogrup Software** – İstanbul, Turkey

City: İstanbul | Country: Turkey

#### **Senior Software Development Specialist**

[ 21/05/2025 – Current ]

Mikrogrup is a software company specializing in accounting solutions. I develop and maintain backend services and APIs using .NET and C#, focusing on performance, scalability, and security. My responsibilities include:

- Designing and implementing RESTful APIs and microservices.
- Working with SQL Server for queries, procedures, and data optimization.
- Integrating backend systems with accounting and finance modules.
- Ensuring code quality through testing and code reviews.
- Collaborating with cross-functional teams to deliver enterprise-grade solutions.

Technologies: .NET 8, C#, Entity Framework, MassTransit, RabbitMQ, MSSQL

## LANGUAGE SKILLS

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**Mother tongue(s):** Turkish

## EDUCATION AND TRAINING

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### **Master's degree with thesis - Computer Engineering**

**Yıldız Technical University** [ 02/2022 – 12/2024 ]

City: İstanbul | Country: Turkey | Website: [www.yildiz.edu.tr](http://www.yildiz.edu.tr) | Level in EQF: EQF level 7 | Thesis: Improving Code Quality Through Iterative Enhancement Requests in Software Development with Autonomous Agents

### **Bachelor's Degree - Computer Engineering - 100% Scholarship**

**İstanbul Esenyurt University** [ 09/2016 – 06/2020 ]

City: İstanbul | Country: Turkey | Website: [www.esenyurt.edu.tr](http://www.esenyurt.edu.tr) | Final grade: High Honor Student (3.67 / 4) | Level in EQF: EQF level 6

### **Science High School**

**Sivas Science High School** [ 09/2011 – 06/2015 ]

City: Sivas | Country: Turkey | Website: [sivasfenlisesi.meb.k12.tr](http://sivasfenlisesi.meb.k12.tr)

## SKILLS

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.NET / .NET Core / Devops / Docker & Kubernetes / Git + Github + Subversion / Microservice architecture, REST API / MySql, MSSql, OracleSql / Message Queue (RabbitMQ) / ELK (Elasticsearch + Logstash + Kibana) / JavaScript, TypeScript / NoSQL (mongoDB, Couchbase) / ReactJS / React Native / Node.js / Hangfire / SonarQube / LLM / Artificial Intelligence / AI Agents / Entity Framework / Dependency Injection / SOLID / KISS / YAGNI / GrayLog / Jenkins / OpenAI API / Google Gemini / Speechmatics / Cursor / Copilot